FIG. 1

Figure 2A

Human faim short DNA sequence

ATGACAGATCTCGTAGCTGTTTGGGATGTTGCTTTAAGTGACGGAGTCCACAAGATC
GAATTTGAACATGGGACTACATCAGGCAAACGAGTAGTATATGTAGATGGAAAGGA
AGAGATAAGAAAAGAGTGGATGTTCAAATTAGTGGGCAAAGAAACATTCTATGTTG
GAGCTGCAAAGACAAAAGCGACCATAAATATAGACGCTATCAGTGGTTTTGCTTAT
GAATATACTCTGGAAATTAATGGGAAAAGTCTCAAGAAGTATATGGAGGACAGATC
AAAAACCACCAATACTTGGGTATTACACATGGATGGTGAGAACTTTAGAATTGTTTT
GGAAAAAGATGCTATGGACGTATGGTGCAATGGTAAAAAATTGGAGACAGCGGGTG
AGTTTGTAGATGATGGGACTGAAACTCACTTCAGTATCGGGAACCATGACTGTTACA
TAAAGGCTGTCAGTAGTGGGAAGCGGAAAGAAGGGATTATTCATACTCTCATTGTG
GATAATAGAGAAATCCCAGAGATTGCAAGTTAATGA

Figure 2B

Human faim short protein

MTDLVAVWDVALSDGVHKIEFEHGTTSGKRVVYVDGKEEIRKEWMFKLVGKETFYVG
AAKTKATINIDAISGFAYEYTLEINGKSLKKYMEDRSKTTNTWVLHMDGENFRIVLEKD
AMDVWCNGKKLETAGEFVDDGTETHFSIGNHDCYIKAVSSGKRKEGIIHTLIVDNREIPE
IAS

Figure 2C

>Human faim long DNA sequence

ATGGCATCTGGAGATGACAGTCCTATCTTTGAAGATGATGAAAGCCCTCCTTACAGC
CTAGAAAAAATGACAGATCTCGTAGCTGTTTGGGATGTTGCTTTAAGTGACGGAGTC
CACAAGATCGAATTTGAACATGGGACTACATCAGGCAAACGAGTAGTATATGTAGA
TGGAAAGGAAGAGATAAGAAAAGAGTGGATGTTCAAATTAGTGGGCAAAGAAACA
TTCTATGTTGGAGCTGCAAAGACAAAAGCGACCATAAATATAGACGCTATCAGTGG
TTTTGCTTATGAATATACTCTGGAAATTAATGGGAAAAGTCTCAAGAAGTATATGGA
GGACAGATCAAAAACCACCAATACTTGGGTATTACACATGGATGGTGAGAACTTTA
GAATTGTTTTGGAAAAAGATGCTATGGACGTATGGTGCAATGGTAAAAAATTGGAG
ACAGCGGGTGAGTTTGTAGATGATGGGACTGAAACTCACTTCAGTATCGGGAACCA
TGACTGTTACATAAAGGCTGTCAGTAGTGGGAAGCGGAAAGAAGGGATTATTCATA
CTCTCATTGTGGATAATAGAGAAATCCCAGAGATTGCAAGTTAA

Figure 2D

human faim long protein

MASGDDSPIFEDDESPPYSLEKMTDLVAVWDVALSDGVHKIEFEHGTTSGKRVVYVDG
KEEIRKEWMFKLVGKETFYVGAAKTKATINIDAISGFAYEYTLEINGKSLKKYMEDRSK
TTNTWVLHMDGENFRIVLEKDAMDVWCNGKKLETAGEFVDDGTETHFSIGNHDCYIK
AVSSGKRKEGIIHTLIVDNREIPEIAS

Figure 2E

human faim super long dna sequence

ATGCGCGGAGGGTGCGGCCTTCGGCTGAGGCAGAGGACCAGGGTTGGGTCCGTGGC
GGCGGGAGGGGTGGCCTCCTGCGCTGGTCGCCCCAGGGGACCTGAGAGGCGCGACA
AACAGTCGGCGCGTTTGGTACTCGCGCCTGCAGAGCTTTCAACCTCCGCGCCGGCTG
CCTGGTNTTCTCGGCCAGGGGAGCAAGGCCACGCGGCTANCGCAGCCGAGTCGGAA
CCAACCGGTTGTTTGGTGAAACTACCCCAGAGCCTCCCGCGGCCCACAGAGCACAGC
CCTCCTTACAGCCTAGAAAAAATGACAGATCTCGTAGCTGTTTGGGATGTTGCTTTA
AGTGACGGAGTCCACAAGATCGAATTTGAACATGGGACTACATCAGGCAAACGAGT
AGTATATGTAGATGGAAAGGAAGAGATAAGAAAAGAGTGGATGTTCAAATTAGTGG
GCAAAGAAACATTCTATGTTGGAGCTGCAAAGACAAAAGCGACCATAAATATAGAC
GCTATCAGTGGTTTTGCTTATGAATATACTCTGGAAATTAATGGGAAAAGTCTCAAG
AAGTATATGGAGGACAGATCAAAAACCACCAATACTTGGGTATTACACATGGATGG
TGAGAACTTTAGAATTGTTTTGGAAAAAGATGCTATGGACGTATGGTGCAATGGTAA
AAAATTGGAGACAGCGGGTGAGTTTGTAGATGATGGGACTGAAACTCACTTCAGTA
TCGGGAACCATGACTGTTACATAAAGGCTGTCAGTAGTGGGAAGCGGAAAGAAGGG
ATTATTCATACTCTCATTGTGGATAATAGAGAAATCCCAGAGATTGCAAGTTAATGA

Figure 2F

human faim super long protein

MRGGCGLRLRQRTRVGSVAAGGVASCAGRPRGPERRDKQSARLVLAPAELSTSAPAA
WXSRPGEQGHAAXAAESEPTGCLVKLPQSLPRPTEHSPPYSLEKMTDLVAVWDVALSD
GVHKIEFEHGTTSGKRVVYVDGKEEIRKEWMFKLVGKETFYVGAAKTKATINIDAISGF
AYEYTLEINGKSLKKYMEDRSKTTNTWVLHMDGENFRIVLEKDAMDVWCNGKKLETA
GEFVDDGTETHFSIGNHDCYIKAVSSGKRKEGIIHTLIVDNREIPEIAS

Figure 2G

human faim lung cancer DNA sequence

ATGGCATCTGGAGATGACAGTCCTATCTTTGAAGATGATGAAAGCCCTCCTTACAGC
CTAGAAAAAAATGACAGATCTCGTAGCTGTTTGGGATGTTGCTTTAAGTGACGGAGTC
CACAAGATCGAATTTGAACATGGGACTACATCAGGCAAACGAGTAGTATATGTAGA
TGGAAAGGAAAAAAGATGCTATGGACGTATGGTGCAATGGTAAAAAAATTGGAGACAG
CGGGTGAGTTTGTAGATGATGGGACTGAAACTCACTTCAGTATCGGGAACCATGACT
GTTACATAAAGGCTGTCAGTAGTGGGAAGCGGAAAGAAGGGATTATTCATACTCTC
ATTGTGGATAATAGAGAAATCCCAGAGATTGCAAGTTAATGA

Figure 2H

human faim lung cancer protein

MASGDDSPIFEDDESPPYSLEKMTDLVAVWDVALSDGXHKIEFEHGTTSGKRVVYVDG
KEKDAMDVWCNGKKLETAGEFVDDGTETHFSIGNHDCYIKAVSSGKRKEGIIHTLIVDN
REIPEIAS

Figure 2I

murine faim short DNA sequence

ATGACGGATCTCGTAGCTGTTTGGGACGTAGCATTAAGTGACGGAGTCCACAAGATT
GAATTTGAACATGGGACCACATCAGGCAAGCGGGTTGTGTACGTGGATGGGAAGGA
AGAGATAAGAAGAGAGTGGATGTTCAAGTTGGTGGGCAAAGAAACGTTCTTTGTCG
GAGCTGCAAAAACCAAAGCCACCATCAATATAGATGCCATAAGTGGCTTCGCATAC
GAGTACACGCTGGAAATTGATGGGAAGAGCCTCAAGAAGTACATGGAGAACAGGTC
AAAGACCACCAGCACCTGGGTGCTGCGCCTGGATGGCGAGGACCTGAGAGTTGTTTT
GGAAAAAGACACTATGGACGTATGGTGCAATGGTCAGAAAATGGAGACAGCGGGC
GAGTTTGTAGATGATGGGACTGAGACGCACTTCAGCGTTGGGAACCACGGCTGTTAC
ATAAAAGCTGTGAGCAGCGGAAAGAGGAAAGAAGGGATTATCCATACCCTCATTGT
GGATAACAGGGAAATCCCAGAGCTCACTCAGTGA

Figure 2J

Murine FAIM short protein

MTDLVAVWDVALSDGVHKIEFEHGTTSGKRVVYVDGKEEIRREWMFKLVGKETFFVG
AAKTKATINIDAISAFAYEYTLEIDGKSLKKYMENRSKTTSTWVLRLDGEDLRVVLEKD
TMDVWCNGQKMETAGEFVDDGTETHFSVGNHGCYIKAVSSGKRKEGIIHTLIVDNREIP
ELTQ

Figure 2K

Murine Faim long DNA sequence

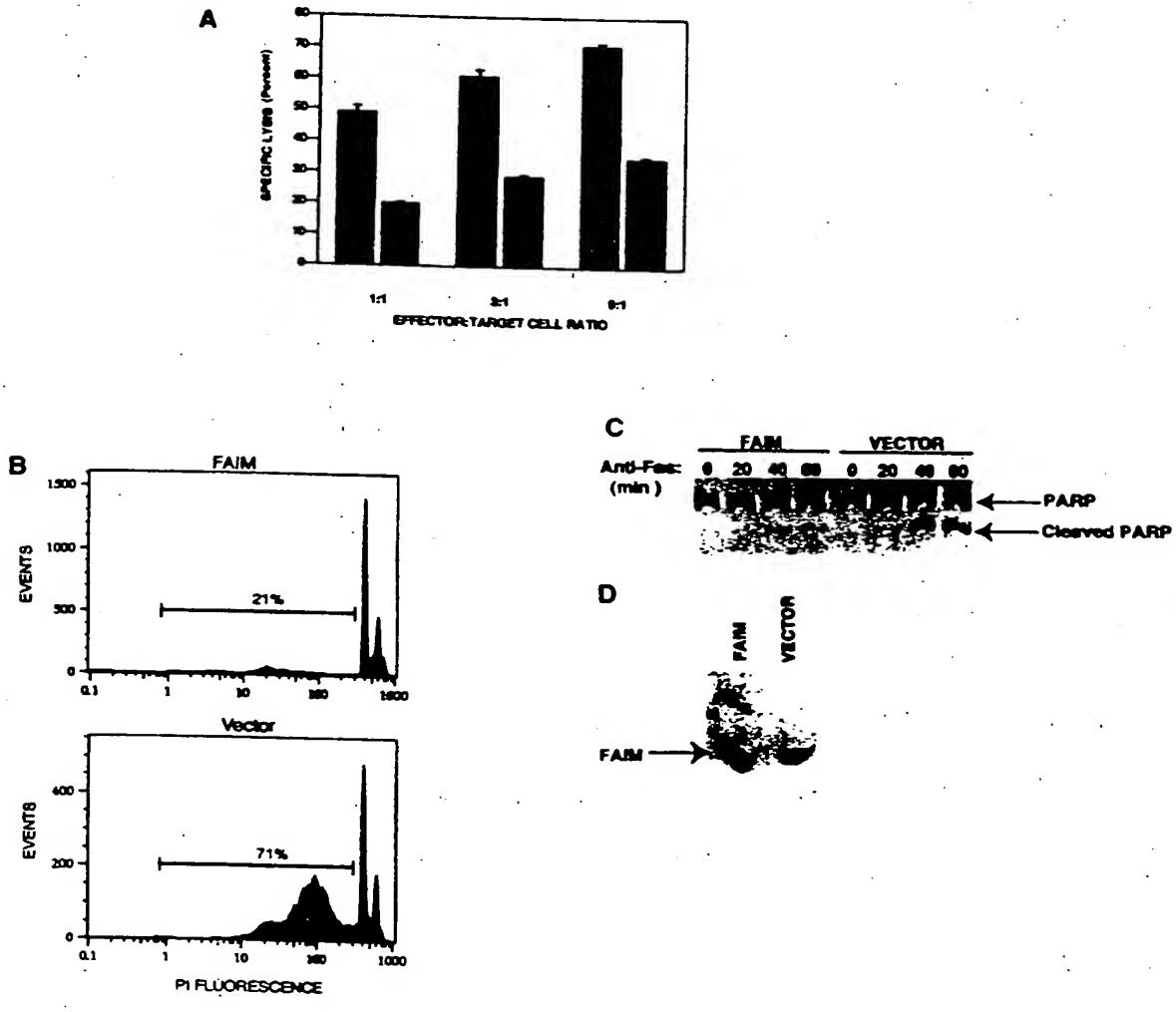
ATGGCGTCTGGAGATGACAGTCCTATCTTTGAAGATGATGAAAGCCCTCTCTATAGC
CTGGAAAAAATGACGGATCTCGTAGCTGTTTGGGACGTAGCATTAAGTGACGGAGT
CCACAAGATTGAATTTGAACATGGGACCACATCAGGCAAGCGGGTTGTGTACGTGG
ATGGGAAGGAAGAGATAAGAAGAGAGTGGATGTTCAAGTTGGTGGGCAAAGAAAC
GTTCTTTGTCGGAGCTGCAAAAACCAAAGCCACCATCAATATAGATGCCATAAGTGG
CTTCGCATACGAGTACACGCTGGAAATTGATGGGAAGAGCCTCAAGAAGTACATGG
AGAACAGGTCAAAGACCACCAGCACCTGGGTGCTGCGCCTGGATGGCGAGGACCTG
AGAGTTGTTTTGGAAAAAGACACTATGGACGTATGGTGCAATGGTCAGAAAATGGA
GACAGCGGGCGAGTTTGTAGATGATGGGACTGAGACGCACTTCAGCGTTGGGAACC
ACGGCTGTTACATAAAAGCTGTGAGCAGCGGAAAGAGGAAAGAAGGGATTATCCAT
ACCCTCATTGTGGATAACAGGGAAATCCCAGAGCTCACTCAGTGA

Figure 2L

Murine faim long protein

MASGDDSPIFEDDESPLYSLEKMTDLVAVWDVALSDGVHKIEFEHGTTSGKRVVYVDG
KEEIRREWMFKLVGKETFFVGAAKTKATINIDAISGFAYEYTLEIDGKSLKKYMENRSK
TTSTWVLRLDGEDLRVVLEKDTMDVWCNGQKMETAGEFVDDGTETHFSVGNHGCYIK
AVSSGKRKEGIIHTLIVDNREIPELTQ

FIG. 3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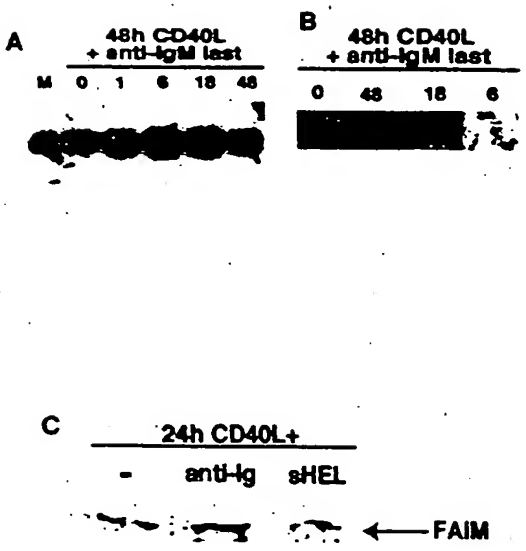
D
FAIM
VECTOR
FAIM

FIG. 4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+ anti-IgM last
0 48 18 6
C
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- anti-Ig sHEL
FAIM